

NEVADA

Park Operational Base Summary: The table below shows the annual park operating base for all park units within this state. Park operational base funds are supplemented by as yet undetermined amounts of project funding from regional or servicewide-managed programs, such as cyclic maintenance, the Natural Resources Preservation Program, and the Drug Enforcement Program.

If a park unit is in more than one state, then the park unit is included in each of the appropriate state tables. The full operating base is shown; no attempt has been made to split the park operating base amount between two or more states.

		(dollars in thousands)				
Congress'l District	Park Units	FY 2004	FY 2005	FY 2006	FY 2006	FY 2006
		Enacted	Estimate	Uncontrol Changes	Program Changes	Request
	02 Death Valley NP	6,790	6,957	169	0	7,126
	02 Great Basin NP	1,894	1,944	59	0	2,003
	FY 2005 Visitor Service Increase ¹	0	245	0	0	245
	Total Great Basin NP	[1,894]	[2,189]	[59]	[0]	[2,248]
	01, 02 Lake Mead NRA	14,085	14,432	331	0	14,763

All FY 2006 increases consist of uncontrollable funding related to pay and benefits. Fleet and management efficiency savings have yet to be distributed at the park level.

This table does not include funding for Trails and Other Affiliated Areas that are not park units, nor programs from other appropriations such as General Management Plans, Land Acquisition, Line Item Construction, Federal Lands Highway Program, and Historic Preservation Fund State Grants. Information on the distribution of funds to these entities and programs is outlined on the following pages. There are separate sections on General Management Plans and the Trails Management Program.

¹ These funds are part of a total \$12.478 million distributed to 67 parks, 10 trails, 3 affiliated areas, and servicewide trail GIS support that was provided in FY 2005 to bolster visitor services. These funds are not considered a permanent addition to any of the parks' operational base funding. The continuation of these funds beyond FY 2005 is contingent upon a review of park base operations at all parks prior to distribution of the enacted FY 2006 appropriation. Should this examination determine that the funds could be more efficiently utilized to provide services at other parks, the funds will be moved (subject to reprogramming guidelines).

NEVADA

FY 2006 Programmatic Park Base Increases

NONE

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Trails and Other Affiliated Areas Operational Base Summary: The table below shows the annual operating base for all Trails and Other Field Offices and Affiliated Areas that are not park units, within this state.

If a trail or affiliated area is in more than one state, it is included in each of the appropriate state tables. The full operational base is shown; no attempt has been made to split the operational base between two or more states.

	(dollars in thousands)				
	FY 2004 Enacted	FY 2005 Estimate	FY 2006 Uncontrol Changes	FY 2006 Program Changes	FY 2006 Request
Trails and Affiliated Areas					
California NHT	246	253	0	0	253
Old Spanish NHT ¹	70	72	0	0	72
Pony Express NHT	177	182	0	0	182

FY 2006 fleet and management efficiency savings have yet to be distributed at the entity level.

This table does not include funding for programs from other appropriations such as General Management Plans, Land Acquisition, Line Item Construction, Federal Lands Highway Program, and Historic Preservation Fund State Grants. Information on the distribution of funds in these programs is outlined on the following pages. There are separate sections on General Management Plans and the Trails Management Program.

¹ Jointly administered with BLM

NEVADA (PWR)
FY 2006 Proposed Program
(dollars in thousands)

PROGRAMS AND PROJECTS FUNDED OUTSIDE OF THE OPERATING ACCOUNT:

GENERAL MANAGEMENT PLANS (See GMP section for further information)

Old Spanish Trail NHT	Ongoing Project
Parashant NM	Ongoing Project

SPECIAL STUDIES (See GMP section for further information)

<u>Study Area</u>	<u>Type of Project</u>
Lake Mead NRA Personal Watercraft Management	Ongoing Project
Lake Mead NRA, Emergency Low Water Activities	Ongoing Project

LAND ACQUISITION

None

CONSTRUCTION: LINE ITEM CONSTRUCTION (see attached)

<u>Park Area</u>	<u>Project Title</u>	<u>Funds</u>
Lake Mead NRA	Replace Failed and Leaking Water Distribution Systems, Parkwide, Phase I	\$6,642
Lake Mead NRA	Rehabilitate Failed, Non-Compliant Wastewater Systems, Parkwide, Phase I	\$2,697

HISTORIC PRESERVATION FUND: STATE GRANTS

State apportionment: \$579

STATE CONSERVATION GRANTS

None

**National Park Service
PROJECT DATA SHEET**

Project Score/Ranking:	830
Planned Funding FY:	2006
Funding Source:	Line Item Construction

Project Identification

Project Title: Replace Failed and Leaking Water Distribution Systems, Parkwide		
Project No: 055928	Unit/Facility Name: Lake Mead National Recreation Area	
Region: Pacific West	Congressional District: NV 01, AZ 03	State: NV, AZ

Project Justification

FCI-Before: 0.33	FCI-Projected: 0.05	API: 23
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Project Description: This project will provide selective improvements to the water distribution systems at major developed areas at Lake Mead National Recreation Area (NRA) in two phases in conjunction with work on wastewater systems within the same developed areas under project 055926. Major components of the work include replacing aged and deteriorated mains; replacing aged and inoperable main-line valves and adding additional valving; replacing existing mains with upsized lines to meet code requirements for flow; the addition of new mains to create loops that increase system efficiency and reliability, reduce outages, and provide required flows; replacing old and inoperable fire hydrants and adding additional fire hydrants to meet code requirements; adding additional metering to better monitor and manage water usage; adding additional water storage where required to meet flow requirements; upgrading and adding additional backflow prevention devices to meet current code requirements; and replacing existing campground surface flood irrigation systems with subsurface drip irrigation systems to reduce potable water consumption. Phase 1 (this request) will focus on needed improvements at Temple Bar, Katherine Landing, and Cottonwood Cove; Phase 2 will focus on needed improvements at Overton Beach, Boulder Beach, Echo Bay, Callville Bay, and Las Vegas Bay. Phase 1 will also provide for critical selective improvements at Willow Beach. A future construction project (number 059810) will address the majority of water system needs at Willow Beach.

Project Need/Benefit: Lake Mead NRA currently serves over 10 million visitors annually. Most visitor services are provided at nine developed areas. Public facilities include campgrounds, picnic areas, and boat launch ramps. Additional visitor services are provided by four separate private-sector concessionaires and include marinas, RV and trailer parks, restaurants, stores, and lodging. Utility infrastructure at each developed area makes possible and supports the various visitor services. The water distribution systems at the nine developed areas suffer from a number of critical deficiencies. Aged lines are currently in a deteriorated condition and have reached their life expectancy. Additional visitor facilities have been added over the years and the existing systems have been extended piecemeal without regard to overall efficient system operation. Many lines do not have adequate flow capacity to meet current and anticipated future demand. The existing water systems do not meet current code requirements for fire flows. As a result, the existing water systems do not adequately provide for life safety and they create an increased risk of property loss. Fire hydrants are not located within required distances of structures and there is insufficient capacity to meet flow demands should building fire sprinkler systems be added. Existing valves are in many cases frozen open and there are insufficient valves to isolate sections for maintenance or repair. The overall configuration of lines and valves does not provide a dependable and reliable system. It is estimated that 11-million gallons of treated water are lost annually. This loss represents the waste of a valuable resource in a desert environment and also represents an economic loss due to the cost of pumping and treating the water. Backflow prevention does not meet current code requirements and as a result there is an increased risk to public health due to contamination. There is currently inadequate metering to effectively manage water usage, identify locations of water losses, and identify opportunities for conservation. The purpose of this project is to address the above critical deficiencies and bring the water distribution systems up to current codes and standards, NPS policies, and into full compliance with all regulatory requirements.

Ranking Categories: Identify the percent of the project that is in the following categories of need.

90 % Critical Health or Safety Deferred Maintenance	0 % Critical Mission Deferred Maintenance
0 % Critical Health or Safety Capital Improvement	0 % Compliance & Other Deferred Maintenance
10 % Critical Resource Protection Deferred Maintenance	0 % Other Capital Improvement
0 % Critical Resource Protection Capital Improvement	

Capital Asset Planning 300B Analysis Required: YES: ☒ NO:

Total Project Score: **830**

Project Costs and Status

Project Cost	\$'s	%	Project Funding History:	
Estimate:			Appropriated to Date:	\$ 0
Deferred Maintenance	\$11,784,000	100	Requested in FY 2006 Budget:	\$ 6,642,000
Work :			Required to Complete Project:	\$ 5,142,000
Capital Improvement	\$0	0	Project Total:	\$ 11,784,000
Work:				
Total Component	\$11,784,000	100		
Estimate:				
Class of Estimate:	B			
Estimate Good Until:	09/30/06			
Dates:	Sch'd (qtr/fy)		Project Data Sheet	Unchanged Since
Construction Start/Award	2/2006		Prepared/Last Updated: 1/20/2005	Departmental Approval:
Project Complete:	1/2007			YES: NO: <input checked="" type="checkbox"/>

Annual Operations Costs

Current:	Projected:	Net Change:
\$ 714,000	\$ 714,000	\$ 0

**National Park Service
PROJECT DATA SHEET**

Project Score/Ranking:	970
Planned Funding FY:	2006
Funding Source:	Line Item Construction

Project Identification

Project Title: Rehabilitate Failed, Non-Compliant Wastewater Systems, Parkwide		
Project No: 055926A	Unit/Facility Name: Lake Mead National Recreation Area	
Region: Pacific West	Congressional District: NV 01, AZ 03	State: NV, AZ

Project Justification

FCI-Before: 0.20	FCI-Projected: 0.03	API: 29
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Project Description: This project will rehabilitate the existing wastewater collection systems at major developed areas within Lake Mead National Recreation Area in two phases in conjunction with work on water systems within the same areas under project number 055928. Major components of the work include replacing deteriorated force mains and associated air relief valves; replacing or rehabilitating deteriorated manholes; replacing deteriorated manhole frames and covers; replacing or relining existing deteriorated gravity sewer lines; providing odor control for vented sewer gases at selected locations; realigning sections of existing gravity sewer lines; increasing the capacity of selected gravity lines; and providing other miscellaneous upgrades to improve the reliability and efficiency of the wastewater collection system. Phase 1 (this request) will focus on improvements at Temple Bar, Katherine Landing, and Cottonwood Cove; Phase 2 will focus on improvements at Overton Beach, Boulder Beach, Echo Bay, Callville Bay, and Las Vegas Bay to complete the project.

Project Need/Benefit: Lake Mead NRA currently serves over 10-million visitors annually. Most visitor services are provided at nine developed areas (six areas are located in Nevada, three are in Arizona). The wastewater collection systems serve marinas, campgrounds, picnic areas, trailer villages, concessioner facilities, NPS operational and maintenance facilities, and employee housing. The wastewater system in one of the developed areas was constructed during the pre-WWII era of the CCC and WPA and the other eight during the 1950s and 1960s. These systems have had minimal preventive maintenance over the years and are now severely deteriorated and failing. A recent contract for hydro-flushing and videotaping of all wastewater collection systems parkwide has confirmed the previously suspected condition, that these systems are in an advanced stage of deterioration and suffer from severely corroded pipes, failing manholes, and leakage of raw sewage throughout the park. Without immediate attention, these systems will experience continued deterioration, continued infiltration and exfiltration (leakage), pipe breakage, and collapse of individual manholes.

Failure of these force mains, gravity mains and manholes would cause significant risks to public health and the environment due to discharges of raw sewage from these systems. Sewage is generated at the lowest point in these systems due to waste-generating activities occurring close to the lake, so the pristine water quality of Lake Mead and Lake Mohave could be jeopardized if there were a major spill caused by catastrophic failure of one of these mains. Failure of any force main will virtually shut down all commercial, residential and recreational use within the development and could expose visitors and employees and their families to the risk of disease transmission via direct physical contact with raw sewage, as well as undermining roads, buildings, utility lines or other structures due to high-pressure spray. As a result of these extensive problems with the wastewater systems throughout the park, the Nevada Division of Environmental Protection has drafted a formal Consent Agreement, containing stipulated penalties, which alleges NPS violation of state and federal water pollution control requirements.

The purpose of this project is to address the above critical deficiencies and bring the wastewater collection systems up to current codes and standards, and into full compliance with NPS policies and all regulatory requirements.

Ranking Categories: Identify the percent of the project that is in the following categories of need.

90 % Critical Health or Safety Deferred	0 % Critical Mission Deferred Maintenance
0 % Critical Health or Safety Capital Improvement	0 % Compliance & Other Deferred Maintenance
10 % Critical Resource Protection Deferred Maintenance	0 % Other Capital Improvement
0 % Critical Resource Protection Capital Improvement	

Capital Asset Planning 300B Analysis Required: YES: NO: [X](#) **Total Project Score:** [970](#)

Project Costs and Status

Project Cost		\$'s	%	Project Funding History:	
Estimate:				Appropriated to Date:	
Deferred Maintenance		\$7,044,000	100	Request in FY 2006 Budget:	\$ 2,697,000
Work :				Required to Complete Project:	\$ 4,347,000
Capital Improvement		\$0		Project Total:	\$ 7,044,000
Work:					
Total Component		\$7,044,000	100		
Estimate:					
Class of Estimate:		B			
Estimate Good Until:		09/30/06			
Dates:		Sch'd (qtr/fy)		Project Data Sheet	
Construction Start/Award		2/2006		Prepared/Last Updated: 1/20/2005	
Project Complete:		1/2007		Unchanged Since Departmental Approval:	
				YES: NO: X	

Annual Operations Costs

Current:	Projected:	Net Change:
\$ 331,000	\$ 331,000	\$ 0